

Bose Particles in a Box: Convergent Expansion of the Ground State

Tuesday, 6 September 2016 15:00 (1 hour)

I shall report on some recent works where I have introduced a multi-scale analysis in the occupation numbers of particle states that provides a convergent expansion of the ground state of an interacting Bose gas in a finite box and in the mean field limiting regime. The talk will be mainly focussed on the construction of the ground state of a three-modes system.

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